

*McGraw* 1609 A 11  
CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/077,817

CRF Processing Date: 9/13/99  
Edited by: AJ  
Verified by: AJ (STIC staff)

- Changed a file from non-ASCII to ASCII
- Changed the margins in cases where the sequence text was "wrapped" down to the next line.

- Edited a format error in the Current Application Data section, specifically:

- Edited the Current Application Data section with the actual current number. The number inputted by the applicant was  the prior application data; or  other \_\_\_\_\_.

- Added the mandatory heading and subheadings for "Current Application Data".

- Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

- Changed the spelling of a mandatory field (the headings or subheadings), specifically:

- Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

- Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

- Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

- Inserted colons after headings/subheadings. Headings edited included:

- Deleted extra, invalid, headings used by an applicant, specifically:

- Deleted:  non-ASCII "garbage" at the beginning/end of files;  secretary initials/filename at end of file;  
 page numbers throughout text;  other invalid text, such as \_\_\_\_\_.

- Inserted mandatory headings, specifically:

- Corrected an obvious error in the response, specifically:

- Edited identifiers where upper case is used but lower case is required, or vice versa.

- Corrected an error in the Number of Sequences field, specifically:

- A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

- Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected:

- Other:

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

### **INPUT SET: S33326.raw**

**This Raw Listing contains the General Information Section and up to the first 5 pages.**

## SEQUENCE LISTING

3 (1) General Information:  
4  
5 (i) APPLICANT: Caput, Daniel  
6 Ferrara, Pascual  
7 Laurent, Patrick  
8 Vita, Natalio  
9  
10 (ii) TITLE OF INVENTION: IL-13 receptor  
11  
12 (iii) NUMBER OF SEQUENCES: 4  
13  
14 (v) COMPUTER READABLE FORM:  
15 (A) MEDIUM TYPE: Floppy disk  
16 (B) COMPUTER: IBM PC compatible  
17 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
18 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
19  
20 (vi) CURRENT APPLICATION DATA:  
21 (A) APPLICATION NUMBER:  
22 (B) FILING DATE:  
23  
24 (2) INFORMATION FOR SEQ ID NO: 1:  
25  
26 (i) SEQUENCE CHARACTERISTICS:  
27 (A) LENGTH: 1539 base pairs  
28 (B) TYPE: nucleic acid  
29 (C) STRANDEDNESS: single  
30 (D) TOPOLOGY: linear  
31  
32 (ii) MOLECULE TYPE: cDNA  
33  
34 (vi) ORIGINAL SOURCE:  
35 (A) ORGANISM: Homo sapiens  
36 (F) TISSUE TYPE: Carcinoma  
37 (G) CELL TYPE: renal  
38 (H) CELL LINE: caki-1  
39  
40 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
41  
42 GGTGCCTGTC GGCGGGGAGA GAGGCAATAT CAAGGTTTA AATCTCGGAG AAATGGCTTA 60  
43 ATTCGTTTGC TTGGCTATCG GATGCTTATA TACCTTCTG ATAAGCACAA CATTGGCTG 120  
44  
45

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/077,817DATE: 09/14/1999  
TIME: 17:51:05

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50 CCCCCACTGT CTCTGGATCA TTTTGTGTTG TGAAAGGAAT GCACAGTGGA ATATGAACTA 300  
52 AAATACCGAA ACATTGGTAG TGAAACATGG AAGGCTAGTG TAGAGGTTAC CATCATTACT 360  
54 AAGAATCTAC ATTACAAAGA TGGGTTGAT CTTAACAAAGG GCATTGAATT ATAGAAGGGC 420  
56 GAAGATACAC ACGCTTTAC CATGGCAATG CACAAATGGA TCAGAAGTTC AAAGTTCCAA 480  
58 TTGCTAGGAG TGGGCAGAAA CTACTTATTG GATATCACCA CAAGGAATTG CAGAAACTAA 540  
60 AGTTCAAGGAT TAAGTTTG GTAGAATGGA TTGCGTATAT TACAATTGGC AATATTTACT 600  
62 CTGTTCTTGG AAACCTGGCA TAGTTACAT TATGTCTGGG TACTTCTTGA TACCAATTAC 660  
64 AACTGTTTT ACTGGTATGA GGGCTTGGAT CATGCATTAA ATATATTTGG AAACAGTGTG 720  
66 TTGATTACAT CAAGGCTGAT GGACAAAATA TAGGATGCAG ATTTCCCTAT TTGGCAATAA 780  
68 AGGAGCAGTG AGGCATCAGA CTATAAAGAT TTCTATATTT GTGTTAATGG ATCATCAGAG 840  
70 AACAAAGCCTG AAATATCAAG GAATCAGATC CAGTTATTTC ACTTTTCAGC TTCAAAATAT 900  
72 AGTTAACCT TTGCCGCCAG TCAGTTGGAA ATATCTTACT TTTACTCGGG AGAGTTCATG 960  
74 TGAAATTAAG CTGAAATGGA GCATACCTT GTTTAGGCGT GGACCTATTG CAGCAAGGTG 1020  
76 TTTTGATTAT GAAATTGAGA TCAGAGAAGA TGATACTACC GAAAGCATGG AGGAATTTG 1080  
78 GTGACTGCTA CAGTTGAAAA TGAAACATAC ACCTTGAAAA CAACAAATGA AACCCGAATA 1140  
80 ATAGAGTTTT TAGTAGCAAT TATGCTTGT AGTAAGAAGC AAAGTGAATA TTTATTGCTC 1200  
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84 GGTGAAGACC TATCGAAGAA AACTTGCTA GTAGCTGGGA TCGTTCTGG CTACCATTG 1320  
86 GTTTCATCTT AATATTAGTT ATATTGTAA CCGGTCTGCT TAGTGAATGT TGCCTAAGCC 1380  
88 AAACACCTAC CCAAAATGA TTCCAGAATT TTTCTGTGAT ACATGAAGAA GATTTGCATC 1440  
90 TTTCCATATC AAGAGACATG GTATTGACTC AACAGTTCC AGTCATGGCC AAATGTTCAA 1500  
92 TATGAGTCTC AATAAACTGA ATTTTCTTG CGAATGTTG 1539  
94 (2) INFORMATION FOR SEQ ID NO: 2:  
96 (i) SEQUENCE CHARACTERISTICS:  
98 (A) LENGTH: 380 amino acids  
99 (B) TYPE: amino acid

**RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/077,817**

DATE: 09/14/1999  
TIME: 17:51:06

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100 (D) TOPOLOGY: linear  
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102 (ii) MOLECULE TYPE: protein  
103  
104 (vi) ORIGINAL SOURCE:  
105 (A) ORGANISM: Homo sapiens  
106 (F) TISSUE TYPE: Carcinoma  
107 (G) CELL TYPE: renal  
108 (H) CELL LINE: Caki-1  
109  
110  
111 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
112  
113 Met Ala Phe Val Cys Leu Ala Ile Gly Cys Leu Tyr Thr Phe Leu Ile  
114 1 5 10 15  
115  
116 Ser Thr Thr Phe Gly Cys Thr Ser Ser Ser Asp Thr Glu Ile Lys Val  
117 20 25 30  
118  
119 Asn Pro Pro Gln Asp Phe Glu Ile Val Asp Pro Gly Tyr Leu Gly Tyr  
120 35 40 45  
121  
122 Leu Tyr Leu Gln Trp Gln Pro Pro Leu Ser Leu Asp His Phe Lys Glu  
123 50 55 60  
124  
125 Cys Thr Val Glu Tyr Glu Leu Lys Tyr Arg Asn Ile Gly Ser Glu Thr  
126 65 70 75 80  
127  
128 Trp Lys Thr Ile Ile Thr Lys Asn Leu His Tyr Lys Asp Gly Phe Asp  
129 85 90 95  
130  
131 Leu Asn Lys Gly Ile Glu Ala Lys Ile His Thr Leu Leu Pro Trp Gln  
132 100 105 110  
133  
134 Cys Thr Asn Gly Ser Glu Val Gln Ser Ser Trp Ala Glu Thr Thr Tyr  
135 115 120 125  
136  
137  
138 Trp Ile Ser Pro Gln Gly Ile Pro Glu Thr Lys Val Gln Asp Met Asp  
139 130 135 140  
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141 Cys Val Tyr Tyr Asn Trp Gln Tyr Leu Leu Cys Ser Trp Lys Pro Gly  
142 145 150 155 160  
143  
144 Ile Gly Val Leu Leu Asp Thr Asn Tyr Asn Leu Phe Tyr Trp Tyr Glu  
145 165 170 175  
146  
147 Gly Leu Asp His Ala Leu Gln Cys Val Asp Tyr Ile Lys Ala Asp Gly  
148 180 185 190  
149  
150 Gln Asn Ile Gly Cys Arg Phe Pro Tyr Leu Glu Ala Ser Asp Tyr Lys  
151 195 200 205  
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**RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/077,817**DATE: 09/14/1999  
TIME: 17:51:06**INPUT SET: S33326.raw**

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156 Ser Ser Tyr Phe Thr Phe Gln Leu Gln Asn Ile Val Lys Pro Leu Pro  
157 225 230 235 240  
158  
159 Pro Val Tyr Leu Thr Phe Thr Arg Glu Ser Ser Cys Glu Ile Lys Leu  
160 245 250 255  
161  
162 Lys Trp Ser Ile Pro Leu Gly Pro Ile Pro Ala Arg Cys Phe Asp Tyr  
163 260 265 270  
164  
165 Glu Ile Glu Ile Arg Glu Asp Asp Thr Thr Leu Val Thr Ala Thr Val  
166 275 280 285  
167  
168 Glu Asn Glu Thr Tyr Thr Leu Lys Thr Thr Asn Glu Thr Arg Gln Leu  
169 290 295 300  
170  
171 Cys Phe Val Val Arg Ser Lys Val Asn Ile Tyr Cys Ser Asp Asp Gly  
172 305 310 315 320  
173  
174 Ile Trp Ser Glu Trp Ser Asp Lys Gln Cys Trp Glu Gly Glu Asp Leu  
175 325 330 335  
176  
177 Ser Lys Lys Thr Leu Leu Arg Phe Trp Leu Pro Phe Gly Phe Ile Leu  
178 340 345 350  
179  
180 Ile Leu Val Ile Phe Val Thr Gly Leu Leu Leu Arg Lys Pro Asn Thr  
181 355 360 365  
182  
183 Tyr Pro Lys Met Ile Pro Glu Phe Phe Cys Asp Thr  
184 370 375 380  
185  
186 (2) INFORMATION FOR SEQ ID NO: 3:  
187  
188 (i) SEQUENCE CHARACTERISTICS:  
189 (A) LENGTH: 4009 base pairs  
190 (B) TYPE: nucleic acid  
191 (C) STRANDEDNESS: single  
192 (D) TOPOLOGY: linear  
193  
194 (ii) MOLECULE TYPE: cDNA  
195  
196 (iii) HYPOTHETICAL: NO  
197  
198 (iii) ANTI-SENSE: NO  
199  
200 (vi) ORIGINAL SOURCE:  
201 (A) ORGANISM: Homo sapiens  
202 (F) TISSUE TYPE: Carcinoma  
203 (G) CELL TYPE: RENAL  
204 (H) CELL LINE: Caki-1  
205

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/077,817DATE: 09/14/1999  
TIME: 17:51:07

INPUT SET: S33326.raw

206  
207       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
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209       TCAGCCCGGC CGGGCTCCGA GGCGAGAGGC TGCATGGAGT GGCCGGCGCG GCTCTGCGGG 60  
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211       CTGTGGCGC TGCTGCTCTG CGCCGGCGGC GGGGGCGGGG CGGGGGCGC CGCGCCTACG 120  
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213       GAAACTCAGC CACCTGTGAC AAATTGAGT GTCTCTGTTG AAAACCTCTG CACAGTAATA 180  
214  
215       TGGACATGGA ATCCACCCGA GGGAGCCAGC TCAAATTGTA GTCTATGGTA TTTTAGTCAT 240  
216  
217       TTTGGCGACA AACAAAGATAA GAAAATAGCT CCGGAAACTC GTCGTTCAAT AGAAGTACCC 300  
218  
219       CTGAATGAGA GGATTTGTCT GCAAGTGGGG TCCCAGTGT A GCACCAATGA GAGTGAGAAG 360  
220  
221       CCTAGCATT TGGTTGAAAA ATGCATCTCA CCCCCAGAAG GTGATCCTGA GTCTGCTGTG 420  
222  
223       ACTGAGCTTC AATGCATTG GCACAAACCTG AGCTACATGA AGTGTCTTG GCTCCCTGGA 480  
224  
225       AGGAATACCA GTCCCGACAC TAACTATACT CTCTACTATT GGCACAGAAG CCTGGAAAAA 540  
226  
227       ATTCATCAAT GTGAAAACAT CTTTAGAGAA GGCCAATACT TTGGTTGTT CTTTGATCTG 600  
228  
229       ACCAAAGTGA AGGATTCCAG TTTGAACAA CACAGTGTCC AAATAATGGT CAAGGATAAT 660  
230  
231       GCAGGAAAAA TTAAACCATC CTTCAATATA GTGCCTTAA CTTCCCGTGT GAAACCTGAT 720  
232  
233       CCTCCACATA TTAAAAACCT CTCCTTCCAC AATGATGACC TATATGTGCA ATGGGAGAAT 780  
234  
235       CCACAGAATT TTATTAGCAG ATGCCTATT TATGAAGTAG AAGTCAATAA CAGCCAAACT 840  
236  
237       GAGACACATA ATGTTTCTA CGTCCAAGAG GCTAAATGTG AGAATCCAGA ATTTGAGAGA 900  
238  
239       AATGTGGAGA ATACATCTG TTTCATGGTC CCTGGTGTTC TTCCTGATAC TTTGAACACA 960  
240  
241       GTCAGAATAA GAGTCAAAAC AAATAAGTTA TGCTATGAGG ATGACAAACT CTGGAGTAAT 1020  
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243       TGGAGCCAAG AAATGAGTAT AGGTAAGAAG CGCAATTCCA CACTCTACAT AACCATGTTA 1080  
244  
245       CTCATTGTT CAGTCATCGT CGCAGGTGCA ATCATAGTAC TCCTGTTA CCTAAAAAGG 1140  
246  
247       CTCAAGATT TAATATTCCC TCCAATTCT GATCCTGGCA AGATTTTAA AGAAATGTTT 1200  
248  
249       GGAGACCAGA ATGATGATAC TCTGCAGTGG AAGAAGTACG ACATCTATGA GAAGCAAACC 1260  
250  
251       AAGGAGGAAA CCGACTCTGT AGTGCTGATA GAAAACCTGA AGAAAGCCTC TCAGTGATGG 1320  
252  
253       AGATAATTAA TTTTACCTT CACTGTGACC TTGAGAAGAT TCTTCCCATT CTCCATTGTT 1380  
254  
255       TATCTGGAA CTTATTAAAT GGAAACTGAA ACTACTGCAC CATTAAAAA CAGGCAGCTC 1440  
256  
257       ATAAGAGCCA CAGGTCTTAA TGTTGAGTCG CGCACCGAAA AACTAAAAAT AATGGCGCT 1500  
258

PAGE: 1

**SEQUENCE VERIFICATION REPORT  
PATENT APPLICATION US/09/077,817**

DATE: 09/14/1999  
TIME: 17:51:07

***INPUT SET: S33326.raw***

Line

Error

Original Text

**RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/077,817**

DATE: 09/14/1999

TIME: 17:50:47

## **INPUT SET: S33326.raw**

**This Raw Listing contains the General Information Section and up to the first 5 pages.**

## SEQUENCE LISTING

3 (1) General Information:

10 (ii) TITLE OF INVENTION: IL-13 receptor

12 (iii) NUMBER OF SEQUENCES: 4

14 (v) COMPUTER READABLE FORM:

15 (A) MEDIUM TYPE: Floppy disk  
16 (B) COMPUTER: IBM PC compatible  
17 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
18 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)

19 (VII) CURRENT APPLICATION DATA: - add heading  
20

21 (2) INFORMATION FOR SEQ ID NO: 1:

23 (i) SEQUENCE CHARACTERISTICS:

24 (A) LENGTH: 1539 base pairs  
25 (B) TYPE: nucleic acid  
26 (C) STRANDEDNESS: single  
27 (D) TOPOLOGY: linear

29 (ii) MOLECULE TYPE: cDNA

31 (vi) ORIGINAL SOURCE:  
32 (A) ORGANISM: Homo sapiens  
33 (F) TISSUE TYPE: Carcinoma  
34 (G) CELL TYPE: renal  
35 (H) CELL LINE: caki-1

38 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

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40 GGTGCTGTC GGCGGGGAGA GAGGCAATAT CAAGGTTTA AATCTCGGAG AAATGGCTTA 60
41 ATTCGTTGC TTGGCTATCG GATGCTTATA TACCTTCCTG ATAAGCACAA CATTGGCTG
42 TACAAGCTTT TGCACCTCAT CTTCAGACAC CGAGATAAAA GTTAACCCTC CTCAGGATTT 120
43
44 TGAGATAGTG GATTATGAAG AGAACCCGGA TACTTAGGTT ATCTCTATTT GCAATGGCAA 180
45
46

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/077,817DATE: 09/14/1999  
TIME: 17:50:47

## INPUT SET: S33326.raw

47       CCCCCACTGT CTCTGGATCA TTTTGTGTTG TGAAAGGAAT GCACAGTGG A ATATGAAC TA       300  
48       AAATACCGAA ACATTGGTAG TGAAACATGG AAGGCTAGTG TAGAGGTTAC CATCATTACT       360  
49  
50       AAGAATCTAC ATTACAAAGA TGGGTTGAT CTTAACAGG GCATTGAATT ATAGAAGGGC       420  
51  
52       GAAGATACAC ACGCTTTAC CATGGCAATG CACAAATGGA TCAGAAGTTC AAAGTTCCAA       480  
53  
54       TTGCTAGGAG TGGGCAGAAA CTACTTATTG GATATCACCA CAAGGAATT CAGAAACTAA       540  
55  
56       AGTTCAAGGAT TAAGTTTGG GTAGAATGGA TTGCGTATAT TACAATTGGC AATATTTACT       600  
57  
58       CTGTTCTTGG AACACCTGGCA TAGGTTACAT TATGTCTGGG TACCTTCTGA TACCAATTAC       660  
59  
60       AACTTGT TTT ACTGGTATGA GGGCTTGGAT CATGCATTAA ATATATTTGG AAACAGTGTG       720  
61  
62       TTGATTACAT CAAGGCTGAT GGACAAAATA TAGGATGCAG ATTTCCCTAT TTGGCAATAA       780  
63  
64       AGGAGCAGTG AGGCATCAGA CTATAAAGAT TTCTATATT GTGTTAATGG ATCATCAGAG       840  
65  
66       AACAAAGCCTG AAATATCAAG GAATCAGATC CAGTTATTC ACTTTTCAGC TTCAAATAT       900  
67  
68       AGTTAACCT TTGCCGCCAG TCAGTTGGAA ATATCTTACT TTTACTCGGG AGAGTTCATG       960  
69  
70       TGAAATTAAG CTGAAATGGA GCATACCTT GTTTAGGCGT GGACCTATT CAGCAAGGTG       1020  
71  
72       TTTGATTAT GAAATTGAGA TCAGAGAAGA TGATACTACC GAAAGCATGG AGGAATTTG       1080  
73  
74       GTGACTGCTA CAGTTGAAAA TGAAACATAC ACCTTGAAAA CAACAAATGA AACCCGAATA       1140  
75  
76       ATAGAGTTT TAGTAGCAAT TATGCTTGT AGTAAGAAC AAAGTGAATA TTTATTGCTC       1200  
77  
78       AGATGACGGA ATTTGGCAA AGAATCAAGT AGTGAGTGG GTGATAAAC A ATGCTGGAA       1260  
79  
80       GGTGAAGACC TATCGAAGAA AACTTTGCTA GTAGCTGGG TCGTTCTGG CTACCATTG       1320  
81  
82       GTTTCATCTT AATATTAGTT ATATTTGTAA CCGGTCTGCT TAGTGAATGT TCGTAAAGCC       1380  
83  
84       AAACACCTAC CCAAAATGA TTCCAGAATT TTTCTGTGAT ACATGAAGAA GATTGCACTC       1440  
85  
86       TTTCCATATC AAGAGACATG GTATTGACTC AACAGTTCC AGTCATGGCC AAATGTTCAA       1500  
87  
88       TATGAGTCTC AATAAACTGA ATTTTCTTG CGAATGTTG       1539  
89  
90  
91       (2) INFORMATION FOR SEQ ID NO: 2:  
92  
93           (i) SEQUENCE CHARACTERISTICS:  
94              (A) LENGTH: 380 amino acids  
95              (B) TYPE: amino acid  
96              (D) TOPOLOGY: linear  
97  
98           (ii) MOLECULE TYPE: protein  
99

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/077,817DATE: 09/14/1999  
TIME: 17:50:48

INPUT SET: S33326.raw

100  
101 (vi) ORIGINAL SOURCE:  
102 (A) ORGANISM: Homo sapiens  
103 (F) TISSUE TYPE: Carcinoma  
104 (G) CELL TYPE: renal  
105 (H) CELL LINE: Caki-1  
106  
107  
108 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
109  
110 Met Ala Phe Val Cys Leu Ala Ile Gly Cys Leu Tyr Thr Phe Leu Ile  
111 1 5 10 15  
112  
113 Ser Thr Thr Phe Gly Cys Thr Ser Ser Asp Thr Glu Ile Lys Val  
114 20 25 30  
115  
116 Asn Pro Pro Gln Asp Phe Glu Ile Val Asp Pro Gly Tyr Leu Gly Tyr  
117 35 40 45  
118  
119 Leu Tyr Leu Gln Trp Gln Pro Pro Leu Ser Leu Asp His Phe Lys Glu  
120 50 55 60  
121  
122 Cys Thr Val Glu Tyr Glu Leu Lys Tyr Arg Asn Ile Gly Ser Glu Thr  
123 65 70 75 80  
124  
125 Trp Lys Thr Ile Ile Thr Lys Asn Leu His Tyr Lys Asp Gly Phe Asp  
126 85 90 95  
127  
128 Leu Asn Lys Gly Ile Glu Ala Lys Ile His Thr Leu Leu Pro Trp Gln  
129 100 105 110  
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131 Cys Thr Asn Gly Ser Glu Val Gln Ser Ser Trp Ala Glu Thr Thr Tyr  
132 115 120 125  
133  
134  
135 Trp Ile Ser Pro Gln Gly Ile Pro Glu Thr Lys Val Gln Asp Met Asp  
136 130 135 140  
137  
138 Cys Val Tyr Tyr Asn Trp Gln Tyr Leu Leu Cys Ser Trp Lys Pro Gly  
139 145 150 155 160  
140  
141 Ile Gly Val Leu Leu Asp Thr Asn Tyr Asn Leu Phe Tyr Trp Tyr Glu  
142 165 170 175  
143  
144 Gly Leu Asp His Ala Leu Gln Cys Val Asp Tyr Ile Lys Ala Asp Gly  
145 180 185 190  
146  
147 Gln Asn Ile Gly Cys Arg Phe Pro Tyr Leu Glu Ala Ser Asp Tyr Lys  
148 195 200 205  
149  
150 Asp Phe Tyr Ile Cys Val Asn Gly Ser Ser Glu Asn Lys Pro Ile Arg  
151 210 215 220  
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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/077,817DATE: 09/14/1999  
TIME: 17:50:48

## INPUT SET: S33326.raw

153 Ser Ser Tyr Phe Thr Phe Gln Leu Gln Asn Ile Val Lys Pro Leu Pro  
154 225 230 235 240  
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156 Pro Val Tyr Leu Thr Phe Thr Arg Glu Ser Ser Cys Glu Ile Lys Leu  
157 245 250 255  
158  
159 Lys Trp Ser Ile Pro Leu Gly Pro Ile Pro Ala Arg Cys Phe Asp Tyr  
160 260 265 270  
161  
162 Glu Ile Glu Ile Arg Glu Asp Asp Thr Thr Leu Val Thr Ala Thr Val  
163 275 280 285  
164  
165 Glu Asn Glu Thr Tyr Thr Leu Lys Thr Thr Asn Glu Thr Arg Gln Leu  
166 290 295 300  
167  
168 Cys Phe Val Val Arg Ser Lys Val Asn Ile Tyr Cys Ser Asp Asp Gly  
169 305 310 315 320  
170  
171 Ile Trp Ser Glu Trp Ser Asp Lys Gln Cys Trp Glu Gly Glu Asp Leu  
172 325 330 335  
173  
174 Ser Lys Lys Thr Leu Leu Arg Phe Trp Leu Pro Phe Gly Phe Ile Leu  
175 340 345 350  
176  
177 Ile Leu Val Ile Phe Val Thr Gly Leu Leu Leu Arg Lys Pro Asn Thr  
178 355 360 365  
179  
180 Tyr Pro Lys Met Ile Pro Glu Phe Phe Cys Asp Thr  
181 370 375 380  
182  
183 (2) INFORMATION FOR SEQ ID NO: 3:  
184  
185 (i) SEQUENCE CHARACTERISTICS:  
186 (A) LENGTH: 4009 base pairs  
187 (B) TYPE: nucleic acid  
188 (C) STRANDEDNESS: single  
189 (D) TOPOLOGY: linear  
190  
191 (ii) MOLECULE TYPE: cDNA  
192  
193 (iii) HYPOTHETICAL: NO  
194  
195 (iii) ANTI-SENSE: NO  
196  
197 (vi) ORIGINAL SOURCE:  
198 (A) ORGANISM: Homo sapiens  
199 (F) TISSUE TYPE: Carcinoma  
200 (G) CELL TYPE: RENAL  
201 (H) CELL LINE: Caki-1  
202  
203  
204 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
205

**RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/077,817**

DATE: 09/14/1999  
TIME: 17:50:48

**INPUT SET: S33326.raw**

206	TCAGCCCGGC CGGGCTCCGA GGCGAGAGGC TGCATGGAGT GGCCGGCGCG GCTCTGCGGG	60
207	CTGTGGCGC TGCTGCTCTG CGCCGGCGGC GGGGGCGGGG GCGGGGGCGC CGCGCCTACG	120
208	GAAACTCAGC CACCTGTGAC AAATTGAGT GTCTCTGTTG AAAACCTCTG CACAGTAATA	180
209	TGGACATGGA ATCCACCCGA GGGAGCCAGC TCAAATTGTA GTCTATGGTA TTTTAGTCAT	240
210	TTTGGCGACA ACAAGATAA GAAAATAGCT CCGGAAACTC GTCGTTCAAT AGAAGTACCC	300
211	CTGAATGAGA GGATTTGTCT GCAAGTGGGG TCCCAGTGT A GCACCAATGA GAGTGAGAAG	360
212	CCTAGCATT TGGTTGAAAA ATGCATCTCA CCCCCAGAAG GTGATCCTGA GTCTGCTGTG	420
213	ACTGAGCTTC AATGCATTG GCACAACTG AGCTACATGA AGTGTCTTG GCTCCCTGGA	480
214	AGGAATACCA GTCCCGACAC TAACTATACT CTCTACTATT GGCACAGAAG CCTGGAAAAAA	540
215	ATTCATCAAT GTGAAAACAT CTTAGAGAA GGCCAATACT TTGGTTGTT CTTTGATCTG	600
216	ACCAAAGTGA AGGATTCCAG TTTGAACAA CACAGTGTCC AAATAATGGT CAAGGATAAT	660
217	GCAGGAAAAA TTAAACCATC CTTCAATATA GTGCCTTAA CTTCCCGTGT GAAACCTGAT	720
218	CCTCCACATA TTAAAACCT CTCCCTCCAC AATGATGACC TATATGTGCA ATGGGAGAAT	780
219	CCACAGAATT TTATTAGCAG ATGCCTATT TATGAAGTAG AAGTCATAA CAGCCAAACT	840
220	GAGACACATA ATGTTTCTA CGTCCAAGAG GCTAAATGTG AGAATCCAGA ATTTGAGAGA	900
221	AATGTGGAGA ATACATCTTG TTTCATGGTC CCTGGTGTTC TTCCTGATAC TTTGAACACA	960
222	GTCAGAATAA GAGTCAAAC AAATAAGTTA TGCTATGAGG ATGACAAACT CTGGAGTAAT	1020
223	TGGAGCCAAG AAATGAGTAT AGGTAAGAAG CGCAATTCCA CACTCTACAT AACCATGTTA	1080
224	CTCATGTT CAGTCATCGT CGCAGGTGCA ATCATAGTAC TCCTGTTA CCTAAAAAGG	1140
225	CTCAAGATTA TTATATTCCC TCCAATTCT GATCCTGGCA AGATTTTAA AGAAATGTTT	1200
226	GGAGACCAGA ATGATGATAC TCTGCACTGG AAGAAGTACG ACATCTATGA GAAGCAAACC	1260
227	AAGGAGGAAA CCGACTCTGT AGTGCTGATA GAAAACCTGA AGAAAGCCTC TCAGTGATGG	1320
228	AGATAATTAA TTTTACCTT CACTGTGACC TTGAGAAGAT TCTTCCATT CTCCATTGTT	1380
229	TATCTGGAA CTTATTAAAT GGAAACTGAA ACTACTGCAC CATTAAAAA CAGGCAGCTC	1440
230	ATAAGAGCCA CAGGTCTTA TGTTGAGTC CGCACCGAAA AACTAAAAAT AATGGCGCT	1500
231	TTGGAGAAGA GTGTGGAGTC ATTCTCATTG AATTATAAAA GCCAGCAGGC TTCAAACCTAG	1560
232	GGGACAAAGC AAAAGTGAT GATAGTGGTG GAGTTAATCT TATCAAGAGT TGTGACAAC	1620

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PATENT APPLICATION US/09/077,817**

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